Appln. No. 10/006,681
Amendment dated April 28, 2006

PATENT

Amendments to the Claims:

This Listing of Claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1-19 (canceled).

20. (new) A streaming data playback apparatus comprising:

a playback circuit which reproduces streaming data from a recording medium;

an interface circuit which performs a scramble process on the streaming data reproduced by the playback circuit and adds copy control information to the scrambled streaming data for transmission;

wherein the interface circuit exchanges key information used for the scramble process and a descramble process with a destination apparatus for the streaming data by performing an authentication process with the destination apparatus; and

when transmitting the streaming data, the interface circuit changes the copy control information added to the scrambled streaming data depending on a first case that the streaming data remains stored in the recording medium for playback after the streaming data transmission and a second case that the streaming data on the recording medium is to be disabled from playback after transmission.

21. (new) The streaming data playback apparatus according to claim 20 wherein:

in the first case the interface circuit adds to the scrambled streaming data the copy control information indicating that the transmitted streaming data should not be recorded into any recording device; and

in the second case the interface circuit adds to the scrambled streaming data the copy control information to indicate that the transmitted streaming data may be recorded into a recording device.

2

Appln. No. 10/006,681
Amendment dated April 28, 2006

PATENT

22. (new) The streaming data playback apparatus according to claim 20 wherein prior to the transmission of the streaming data, the interface device transmits a command to the destination apparatus to instruct the destination apparatus to begin recording.

23. (new) The streaming data playback apparatus according to claim 20 wherein the recording medium comprises a hard disk drive.

24. (new) A streaming data playback apparatus comprising:

a playback circuit which reproduces streaming data from a recording medium;

an interface circuit which performs a scramble process on the streaming data reproduced by the playback circuit and adds copy control information to the scrambled streaming data for transmission;

wherein the interface circuit exchanges key information used for the scramble process and a descramble process with a destination apparatus of the streaming data, by performing an authentication process with the destination apparatus; and

during transmission of the streaming data, the interface circuit refuses to perform an authentication process with any apparatus other than the destination apparatus, and after the transmission of the streaming data, the streaming data on the recording medium is disabled from playback.

25. (new) A streaming data playback apparatus comprising:

a playback circuit which reproduces streaming data from a recording medium;

an interface circuit which performs a scramble process on the streaming data reproduced by the playback circuit and adds copy control information to the scrambled streaming data for transmission;

wherein the interface circuit establishes a channel to a destination apparatus of the streaming data for transmission of the streaming data;

wherein the interface circuit exchanges key information used for the scramble process and a descramble process with the destination apparatus by performing an authentication process with the destination apparatus; and

wherein when transmitting the streaming data, the interface circuit disconnects channels other than the channel used for transmitting the streaming data to the destination

3

Appln. No. 10/006,681
Amendment dated April 28, 2006

PATENT

apparatus, and after the transmission of the streaming data, the streaming data on the recording medium is disabled from playback.

26. (new) The streaming data playback apparatus according to claim 25, wherein, when transmitting the streaming data to the destination apparatus on the channel, the interface circuit refuses to authenticate any apparatus which tries to share the key information used in the channel.

27. (new) A streaming data playback apparatus comprising:

a playback circuit which reproduces streaming data from a recording medium;

an interface circuit which performs a scramble process on the streaming data reproduced by the playback circuit and adds copy control information to the scrambled streaming data for transmission;

wherein the interface circuit establishes a first channel to a first destination apparatus of the streaming data for transmitting the streaming data, and a second channel to a second destination apparatus of the streaming data for transmitting the same streaming data;

wherein the interface circuit exchanges first key information used for the scramble process and a descramble process with the first destination apparatus by performing an authentication process with the first destination apparatus, and exchanges second key information, different from the first key information, used for the scramble process and the descramble process with the second destination apparatus by performing the authentication process with the second destination apparatus; and

when transmitting the streaming data, the interface circuit adds to the scrambled streaming data on the first channel the copy control information indicating that the transmitted streaming data may be recorded into a recording device, and the interface circuit adds to the scrambled streaming data on the second channel the copy control information indicating that the transmitted streaming data can not be recorded by a recording device, and the streaming data on the recording medium is disabled from playback after the streaming data transmission.

Appln. No. 10/006,681
Amendment dated April 28, 2006

PATENT

28. (new) The streaming data playback apparatus according to claim 27 wherein the first destination apparatus comprises a recording device and the second destination apparatus comprises a display device.

29. (new) A streaming data playback apparatus comprising:

a playback circuit which reproduces streaming data from a recording medium;

an interface circuit which performs a scramble process on the streaming data reproduced by the playback circuit and adds copy control information to the scrambled streaming data for transmitting the scrambled streaming data and the copy control information to a recording device;

wherein when transmitting the streaming data, the interface circuit changes the copy control information added to the scrambled streaming data depending on a first case that the streaming data is to remain stored on the recording medium after the streaming data transmission and a second case that the streaming data on the recording medium is to be disabled from the streaming data transmission, and

in the second case, when the interface circuit confirms that the recording device has recorded the transmitted streaming data, the streaming data on the recording medium is made playback-disabled, and when the interface circuit detects that the recording device terminates recording the transmitted streaming data or the transmission of the streaming data is interrupted, the streaming data on the recording medium is not made playback-disabled.

30. (new) The streaming data playback apparatus according to claim 29 wherein:

in the first case, the interface circuit adds to the scrambled streaming data the copy control information indicating that the transmitted streaming data can not be recorded into a recording device; and

in the second case, the interface circuit adds to the scrambled streaming data the copy control information indicating that the transmitted streaming data may be recorded into a recording device.